

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_9				
Comment Code					
Inspector Comment					
RD 1500 has their O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_55				
Comment Code					
Inspector Comment					
RD 1500 maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_61				
Comment Code					
Inspector Comment					
RD 1500 is current with it's flood response plans and training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	0.07	Rating **	C	Issue No.	137
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761077°	38.761077°
				-121.675851°	-121.675851°
DWR ID	DWR_RD1500_01_f_2016_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs on landside slope.					

No Photos

LM Start	0.25	Rating **	C	Issue No.	101
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762385 °	38.762385 °
				-121.678428 °	-121.678428 °
DWR ID	DWR_RD1500_01_f_2017_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single hole on landside slope. Recommend monitoring due to high rodent activity in area.					

No Photos

LM Start	0.26	Rating **	C	Issue No.	155
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762584 °	38.762584 °
				-121.678542 °	-121.678542 °
DWR ID	DWR_RD1500_01_s_2017_155				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	0.29	Rating **	M	Issue No.	152
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762945°	38.762945°
				-121.678812°	-121.678812°
DWR ID	DWR_RD1500_01_f_2018_152				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on the landside slope.					

Photo 1 of 1 : FA_2018_RD1500_189_152_20180904_00074.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.32	Rating **	C	Issue No.	135
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763265 °	38.763265 °
				-121.679075 °	-121.679075 °
DWR ID	DWR_RD1500_01_f_2016_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole halfway down landside slope.					

No Photos

LM Start	0.34	Rating **	C	Issue No.	151
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763473 °	38.763473 °
				-121.679300 °	-121.679300 °
DWR ID	DWR_RD1500_01_s_2017_151				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	0.37	Rating **	M	Issue No.	149
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763826 °	38.763826 °
				-121.679787 °	-121.679787 °
DWR ID	DWR_RD1500_01_s_2017_149				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on landside slope.					

Photo 1 of 1 : FA_2018_RD1500_189_149_20180904_00072.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.56	Rating **	A/W	Issue No.	72
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764462°	38.764638°
				-121.683167°	-121.687690°
DWR ID	DWR_RD1500_01_s_2018_72				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_RD1500_189_72_20180904_00028.jpg



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_RD1500_189_72_20180904_00029.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	1.10	Rating **	M	Issue No.	100
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.767407 °	38.767407 °
				-121.691589 °	-121.691589 °
DWR ID	DWR_RD1500_01_f_2018_100				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on landside slope and berm.					

Photo 1 of 1 : FA_2018_RD1500_189_100_20180904_00041.jpg



View of hole on landside hope. Fall 2017.

LM Start	1.25	Rating **	M	Issue No.	99
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.769274 °	38.769274 °
				-121.691700 °	-121.691700 °
DWR ID	DWR_RD1500_01_f _ 2017_99				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes and mounds on landside slope.					

Photo 1 of 2 : FA_2018_RD1500_189_99_20180904_00039.jpg



Updated view of rodent holes. Spring 2018

LM Start	1.25	Rating **	M	Issue No.	99 (cont)
LM End	1.25	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_RD1500_189_99_20180904_00040.jpg



View of holes and mounds on landside slope. Fall 2017.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.	85
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.770390 °	38.777282 °
				-121.690553 °	-121.685841 °
DWR ID	DWR_RD1500_01_f_2018_85				

Comment Code

Inspector Comment

2017 Site ID: SAC 86.3 L
Status: Eroding
2017 Field Notes: No observed change..
Site History: 2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2016 - Toe relatively stable. Upper slope is over steepened.

Photo 1 of 1 : FA_2018_RD1500_189_85_20181023_00063.jpg



USACE 2013 Photo #1

LM Start	1.68	Rating **	A/W	Issue No.	143
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.773511 °	38.773511 °
				-121.685903 °	-121.685903 °
DWR ID	DWR_RD1500_01_f_2018_143				

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

Active rodent site on the landside slope. Recommend monitoring.

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	2.30	Rating **	A/W	Issue No.	87
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.781962 °	38.784936 °
				-121.688033 °	-121.690033 °
DWR ID	DWR_RD1500_01_f_2018_87				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 87.1 L					
Status: Eroding					
2017 Field Notes: Large whole bank failure section in middle of site.					
Site History: 2010 - The upstream end of the repair site at 87.0. Repair					
did not extend far enough upstream. 2011 - New erosion pockets.					
2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015 -					
Significant new toe erosion. 2016 - Fresh erosion on riverbank.					

Photo 1 of 1 : FA_2018_RD1500_189_87_20181023_00238.jpg



USACE 2013 Photo #1

LM Start	3.09	Rating **	C	Issue No.	129
LM End	3.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.791178 °	38.791178 °
				-121.685668 °	-121.685668 °
DWR ID	DWR_RD1500_01_s_2018_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree trunk on the levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	4.36	Rating **	C	Issue No.	93
LM End	4.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.803021 °	38.803021 °
				-121.698634 °	-121.698634 °
DWR ID	DWR_RD1500_01_f_2017_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single hole less than 6" next to orchard found on landside slope. Recommend monitoring due to surrounding rodent activity.					

No Photos

LM Start	4.50	Rating **	C	Issue No.	127
LM End	4.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.803759 °	38.803759 °
				-121.701127 °	-121.701127 °
DWR ID	DWR_RD1500_01_s_2018_127				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.24	Rating **	A/W	Issue No.	136
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.811093 °	38.811093 °
				-121.722790 °	-121.722790 °
DWR ID	DWR_RD1500_01_f_2018_136				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor runoff on the waterside slope. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	7.15	Rating **	C	Issue No.	217
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.824119°	38.824119°
				-121.722776°	-121.722776°
DWR ID	DWR_RD1500_01_s_2018_217				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.40	Rating **	A/W	Issue No.	74
LM End	9.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.850267 °	38.852564 °
				-121.723275 °	-121.723179 °
DWR ID	DWR_RD1500_01_s_2012_74				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_RD1500_189_74_20180904_00030.jpg



View of the revegetation site along the edge of the berm on the waterward side of the levee looking downstream. Spring 2016.

LM Start	9.40	Rating **	A/W	Issue No.	74 (cont)
LM End	9.57	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_RD1500_189_74_20180904_00031.jpg



Sign for the revegetation site by USACE.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	9.71	Rating **	A/W	Issue No.	162
LM End	9.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.853564 °	38.853564 °
				-121.725379 °	-121.725379 °
DWR ID	DWR_RD1500_01_s_2017_162				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Area heavily accessed by trailer residents and fishermen. Recommend monitoring.					

Photo 1 of 1 : FA_2018_RD1500_189_162_20180904_00076.jpg



View of slope stability on waterside slope. Spring 2017.

LM Start	10.25	Rating **	M	Issue No.	115
LM End	10.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.859585 °	38.859585 °
				-121.729188 °	-121.729188 °
DWR ID	DWR_RD1500_01_f_2018_115				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Active rodent holes at the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	11.80	Rating **	A/W	Issue No.	88
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.871848 °	38.869139 °
				-121.749349 °	-121.757108 °
DWR ID	DWR_RD1500_01_f_2018_88				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 95.8 L					
Status: Eroding					
2017 Field Notes: Sites 95.8 and 96.2 combined.					
Site History: 1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015 - Fresh slumping					

No Photos

LM Start	12.01	Rating **	M	Issue No.	116
LM End	12.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.870730 °	38.870730 °
				-121.752908 °	-121.752908 °
DWR ID	DWR_RD1500_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on landside levee slope.					

Photo 1 of 1 : FA_2018_RD1500_189_116_20180904_00052.jpg



View of erosion on landside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	12.57	Rating **	U	Issue No.	118
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.867108°	38.867108°
				-121.761498°	-121.761498°
DWR ID	DWR_RD1500_01_f_2015_118				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Recommend backfilling erosion.					

Photo 1 of 2 : FA_2018_RD1500_189_118_20181018_00233.jpg



Updated view of erosion on the landside slope. Fall 2018.

LM Start	12.57	Rating **	U	Issue No.	118 (cont)
LM End	12.57	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_RD1500_189_118_20180904_00054.jpg

View of the erosion on the waterward side of the levee looking upstream.
Fall 2015.

LM Start	14.28	Rating **	A/W	Issue No.	89
LM End		Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.861899 °	38.857239 °
				-121.784057 °	-121.783771 °
DWR ID	DWR_RD1500_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 99.0 L					
Status: Eroding					
2017 Field Notes: Rock continues to unravel.					
Site History: 1997 - Intermittent toe failure of the hand placed riprap;					
failure of toe materials.					

Photo 1 of 1 : FA_2018_RD1500_189_89_20181023_00239.jpg



USACE 2013 Photo #1

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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	18.38	Rating **	A/W	Issue No.	80
LM End	19.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.901337°	38.902721°
				-121.801175°	-121.790677°
DWR ID	DWR_RD1500_01_f _ 2018_80				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 104.0 L					
Status: Eroding					
2017 Field Notes: Bank slope is relatively stable.					
Site History: 1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2016- Cobble revetment continues to fail.					

Photo 1 of 1 : FA_2018_RD1500_189_80_20181023_00017.jpg



USACE 2013 Photo #1

LM Start	19.16	Rating **	A/W	Issue No.	81
LM End	19.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.904041 °	38.906697 °
				-121.790298 °	-121.792796 °
DWR ID	DWR_RD1500_01_f_2018_81				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 104.5 L					
Status: Eroding					
2017 Field Notes: Site appears stable.					
Site History: 1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion.					

Photo 1 of 1 : FA_2018_RD1500_189_81_20181023_00043.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	21.01	Rating **	M	Issue No.	105
LM End	21.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.911322°	38.911322°
				-121.804078°	-121.804078°
DWR ID	DWR_RD1500_01_f_2018_105				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope.					

No Photos

LM Start	21.10	Rating **	M	Issue No.	103
LM End	21.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.912511 °	38.912511 °
				-121.803355 °	-121.803355 °
DWR ID	DWR_RD1500_01_f_2018_103				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes at the landside toe.					

Photo 1 of 1 : FA_2018_RD1500_189_103_20181018_00232.jpg



View of rodent holes on the landside slope. Fall 2018.

LM Start	24.34	Rating **	C	Issue No.	97
LM End	24.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.938784 °	38.938784 °
				-121.829405 °	-121.829405 °
DWR ID	DWR_RD1500_01_f_2017_97				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	30.60	Rating **	A/W	Issue No.	82
LM End	30.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_f_2018_82				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 116.0 L					
Status: Eroding					
2017 Field Notes: Minor new erosion throughout the site.					
Site History: 2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps.					
2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2016 - Fresh erosion on lower bank.					

Photo 1 of 1 : FA_2018_RD1500_189_82_20181023_00047.jpg



USACE 2013 Photo #1

LM Start	30.94	Rating **	A/W	Issue No.	83
LM End	31.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.003301 °	39.006072 °
				-121.805024 °	-121.815926 °
DWR ID	DWR_RD1500_01_f_2018_83				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 116.5 L					
Status: Eroding					
2017 Field Notes: pipe and pump encroachment. site has been stable for a few years.					
Site History: 2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2016 - Fresh erosion on lower bank.					

Photo 1 of 1 : FA_2018_RD1500_189_83_20181023_00048.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Page 17 of 18

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	10/16/2018 10/18/2018	Zach Jojola

LM Start	32.98	Rating **	M	Issue No.	107
LM End	32.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.020874 °	39.020874 °
				-121.820266 °	-121.820266 °
DWR ID	DWR_RD1500_01_f_2016_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD1500_189_107_20180904_00044.jpg



View of rodent burrows on landside slope. Fall 2016.

LM Start	32.99	Rating **	A/W	Issue No.	106
LM End	32.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.021016 °	39.021016 °
				-121.820261 °	-121.820261 °
DWR ID	DWR_RD1500_01_f_2016_106				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	33.05	Rating **	A/W	Issue No.	91
LM End	33.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.021865 °	39.021865 °
				-121.820356 °	-121.820356 °
DWR ID	DWR_RD1500_01_f_2018_91				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Minor runoff erosion on the landside slope. Recommend monitoring.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

View of rodent holes on the landside slope. Fall 2018.

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	43
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783865 °	38.783865 °
				-121.655170 °	-121.655170 °
DWR ID	20020				
Comment Code					
Inspector Comment					
FS_ID:28886 DS_ID:20020 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

LM Start	1.92	Rating **	A/W	Issue No.	43 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28886_53098.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_FA_2018_28886_53096.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	43 (cont)							
LM End	1.92	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		38.783865 °	38.783865 °								
			-121.655170 °	-121.655170 °								
DWR ID	20020											
Comment Code												
Inspector Comment												
FS_ID:28886 DS_ID:20020 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014												

Photo 3 of 3 : UCIP_FA_2018_28886_53097.jpg



LS view: pump house at the end of levee berm.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	44
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783885 °	38.783885 °
				-121.655158 °	-121.655158 °
DWR ID	20027				
Comment Code					
Inspector Comment					
FS_ID:28883 DS_ID:20027 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

LM Start	1.92	Rating **	A/W	Issue No.	44 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28883_53085.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_FA_2018_28883_53083.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	44 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.783885 °	38.783885 °	
				-121.655158 °	-121.655158 °	
DWR ID	20027					
Comment Code						
Inspector Comment						
FS_ID:28883 DS_ID:20027 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28883_53084.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	45
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °
				-121.655149 °	-121.655149 °
DWR ID	20028				
Comment Code					
Inspector Comment					
FS_ID:28884 DS_ID:20028 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

LM Start	1.92	Rating **	A/W	Issue No.	45 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28884_53089.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_FA_2018_28884_53088.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	45 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.783904 °		38.783904 °
				-121.655149 °		-121.655149 °
DWR ID	20028					
Comment Code						
Inspector Comment						
FS_ID:28884 DS_ID:20028 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28884_53099.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	46
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783924 °	38.783924 °
				-121.655140 °	-121.655140 °
DWR ID	20029				
Comment Code					
Inspector Comment					
FS_ID:28885 DS_ID:20029 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014					

LM Start	1.92	Rating **	A/W	Issue No.	46 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28885_53095.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_FA_2018_28885_53094.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	46 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.783924 °		38.783924 °
				-121.655140 °		-121.655140 °
DWR ID	20029					
Comment Code						
Inspector Comment						
FS_ID:28885 DS_ID:20029 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28885_53093.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	47	
LM End	1.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784097°	38.784097°	
				-121.655073°	-121.655073°	
DWR ID	20019					
Comment Code						
Inspector Comment						
FS_ID:28954 DS_ID:20019 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014						

LM Start	1.93	Rating **	A/W	Issue No.	47 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28954_53260.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_FA_2018_28954_53259.jpg



WS view: concrete surge structure on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	47 (cont)	
LM End	1.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784097°	38.784097°	
				-121.655073°	-121.655073°	
DWR ID	20019					
Comment Code						
Inspector Comment						
FS_ID:28954 DS_ID:20019 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28954_53262.jpg



WS view: USED Bench Mark on concrete structure on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	48	
LM End	1.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784111 °	38.784111 °	
				-121.655067 °	-121.655067 °	
DWR ID	20025					
Comment Code						
Inspector Comment						
FS_ID:28955 DS_ID:20025 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at levee shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 2 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014						

Photo 1 of 3 : UCIP_FA_2018_28955_53265.jpg



WS view: U type concrete headwall and flap gates on levee toe.

LM Start	1.93	Rating **	A/W	Issue No.	48 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_28955_53263.jpg



WS view: concrete surge structure on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	48 (cont)	
LM End	1.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.784111 °	38.784111 °	
				-121.655067 °	-121.655067 °	
DWR ID	20025					
Comment Code						
Inspector Comment						
FS_ID:28955 DS_ID:20025 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at levee shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 2 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28955_53264.jpg



WS view: USED Bench Mark on concrete structure at levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	49
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.784127°	38.784127°	
			-121.655057°	-121.655057°	
DWR ID	20026				

Comment Code

Inspector Comment

FS_ID:28956
DS_ID:20026
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)].
FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	49 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28956_53269.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_FA_2018_28956_53268.jpg



WS view: U type concrete headwall and flap gates on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	49 (cont)	
LM End	1.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784127°	38.784127°	
				-121.655057°	-121.655057°	
DWR ID	20026					
Comment Code						
Inspector Comment						
FS_ID:28956 DS_ID:20026 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)]. FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28956_53267.jpg



WS view: USED Bench Mark on concrete structure at levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	50
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784783 °	38.784783 °
				-121.654791 °	-121.654791 °
DWR ID	20088				
Comment Code					
Inspector Comment					
FS_ID:28891 DS_ID:20088 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced]. FS Date: 1/21/2014					

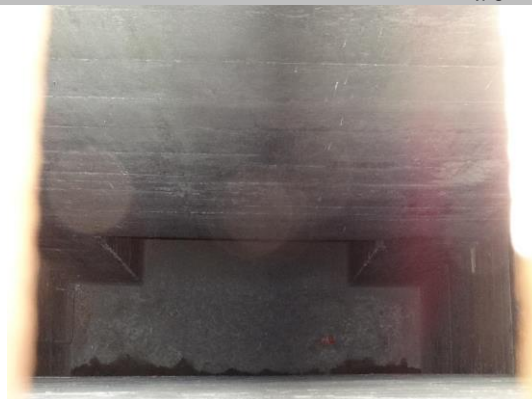
LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)
LM End	1.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28891_53137.jpg



WS view: slide gate in concrete box on levee shoulder.

Photo 2 of 3 : UCIP_FA_2018_28891_53136.jpg



WS view: inside view of concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)	
LM End	1.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784783 °	38.784783 °	
				-121.654791 °	-121.654791 °	
DWR ID	20088					
Comment Code						
Inspector Comment						
FS_ID:28891						
DS_ID:20088						
EP_NO: 10088						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.						
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].						
FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28891_53135.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	51
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784818 °	38.784818 °
				-121.654778 °	-121.654778 °
DWR ID	20092				
Comment Code					
Inspector Comment					
FS_ID:28892 DS_ID:20092 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced]. FS Date: 1/21/2014					

LM Start	1.98	Rating **	A/W	Issue No.	51 (cont)
LM End	1.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28892_53147.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Photo 2 of 3 : UCIP_FA_2018_28892_53146.jpg



WS view: slide gate in concrete box on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	51 (cont)	
LM End	1.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784818°	38.784818°	
				-121.654778°	-121.654778°	
DWR ID	20092					
Comment Code						
Inspector Comment						
FS_ID:28892						
DS_ID:20092						
EP_NO: 10088						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.						
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].						
FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_FA_2018_28892_53145.jpg



WS view: inside view of concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784856 °	38.784856 °
				-121.654762 °	-121.654762 °
DWR ID	20093				
Comment Code					
Inspector Comment					
FS_ID:28893					
DS_ID:20093					
EP_NO: 10088					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.					
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].					
FS Date: 1/21/2014					

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_28893_53157.jpg



WS view: slide gate in concrete box on levee shoulder.

Photo 2 of 3 : UCIP_FA_2018_28893_53156.jpg



WS view: inside view of concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)							
LM End	1.99	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP LMA Responsibility		38.784856 °	38.784856 °								
			-121.654762 °	-121.654762 °								
DWR ID	20093											
Comment Code												
Inspector Comment												
FS_ID:28893 DS_ID:20093 EP_NO: 10088 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced]. FS Date: 1/21/2014												

Photo 3 of 3 : UCIP_FA_2018_28893_53155.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

LM Start	4.47	Rating **	C	Issue No.	42							
LM End	4.47	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.819837 °	38.819837 °								
			-121.663433 °	-121.663433 °								
DWR ID	DWR_RD1500_02_f_2017_42											
Comment Code												
DE : Debris												
Inspector Comment												
Refrigerator on waterside slope.												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	10/18/2018 10/18/2018	Zach Jojola

LM Start	4.59	Rating **	C	Issue No.	41
LM End	4.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.821537 °	38.821537 °
				-121.663656 °	-121.663656 °
DWR ID	DWR_RD1500_02_f_2017_41				
Comment Code					
DE : Debris					
Inspector Comment					
Refrigerator on waterside slope.					

No Photos

LM Start	14.13	Rating **	U	Issue No.	4
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.947628 °	38.947628 °
				-121.669764 °	-121.669764 °
DWR ID	DWR_RD1500_02_s_2012_4				
Comment Code					
Inspector Comment					
Concrete pad and PVC underneath is broken.					

Photo 1 of 3 : FA_2018_RD1500_190_4_20180904_00001.jpg



View of underseepage relief well. Concrete pad as well as PVC pipes underneath are destroyed apparently by an attempt to pull out the head of the well. Fall 2016.

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2018_RD1500_190_4_20180904_00002.jpg



Another view of damaged well. Fall 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

